



## Engine Oil and Fuel Filtration : Coolatai Rural Supplies and Saunders Contract Harvesting

### Coolatai Rural Supplies

Coolatai Rural Supplies operate a Mack R600 prime mover truck and dog configuration powered by a 237 HP 6 cylinder turbo engine. The truck hauls grain from paddocks to the silo as well as delivering Anipro, a cattle feed supplement. In doing this operation the truck is prone to prolonged idle times and stop-start operations.

The truck was fitted with a FMO3 on oil and a FMF3 on fuel. The driver reported the truck's fuel economy had improved and was pulling half a gear better.

These were added benefits but the systems had been fitted to prolong engine life and extend oil drains from 15-20,000km to hopefully 80,000km.



In using oil analysis to trend, the above goals have been achieved and samples indicate the oil at 80,000km having lower iron and soot levels. Consequently, 80,000km has been set as a benchmark for future oil changes. Filter Technology elements are changed at 25,000km and 5 litres of top-up oil is added.

### Saunders Contract Harvesting

Saunders Contracting operate a contract harvesting business in north-west New South Wales. They fitted all three headers, a John Deere 9610, 9600 and CTS II with FMF3 fuel and FMO3 oil filters. Their aim was to carry less oil and filters and to avoid discarding waste oil when harvesting. They can service the headers using Filter Technology Australia's quick changes at 250 hours, top up with oil and the job is done in five minutes.



Fuel is supplied by farmers (usually in drums) and blocked fuel filters were a problem – typically OEM elements were blocked up to five times every wheat harvest. Since fitting Filter Technology Australia filters this problem has been eliminated as well as the need to carry spare OEM elements. Filter Technology Australia fuel elements are changed every 500 hours.



Samples indicated the 9610 header oil at 750 hours was satisfactory (750 hours has been set as the benchmark for oil changes).

Saunders Contracting has also fitted their Toyota Landcruisers and Nissan Patrols with FMO2 oil and FMA fuel filters. These vehicles now do 50,000km oil changes with 10,000km element changes.